

WHAT IS CLAIMED IS:

1 1. A wheeled motor vehicle, comprising:
2 a variable-RPM prime mover;
3 a transmission having a plurality of ratios;
4 a torque transmitting clutch installed between
5 said prime mover and said transmission, said clutch
6 being engageable in dependency upon the RPM of the prime
7 mover; and
8 control means for preventing overrevving of the
9 prime mover, including means for effecting one of a
10 disengagement of the clutch and an operation of the
11 clutch with slip when the RPM of the prime mover exceeds
12 a preselectable threshold value, said threshold value
13 being ascertained on the basis of at least one of (a)
14 the momentary speed of the motor vehicle, the RPM of
15 the wheels of the motor vehicle and a parameter denoting
16 the momentary speed of the motor vehicle, and (b) a sig-
17 nal representing one of the momentary and sought-after
18 ratios of the transmission.

1 2. The motor vehicle of claim 1, wherein said
2 control means further includes means for ascertaining
3 said momentary ratio of the transmission on the basis
4 of the previously selected ratio of the transmission.

1 3. The motor vehicle of claim 1, wherein said
2 sought-after transmission ratio is one of the ratios
3 immediately adjacent the previously selected effective
4 ratio.

1 4. The motor vehicle of claim 1, wherein said
2 prime mover includes one of an internal combustion
3 engine and a hybrid drive.

1 5. The motor vehicle of claim 1, wherein said
2 clutch is one of a friction clutch, a magnetic powder
3 clutch, a multiple-disc clutch, a torque converter with
4 bypass clutch and a clutch having means for compensating
5 for wear upon its parts.

1 6. A wheeled motor vehicle, comprising:
2 a variable-RPM prime mover;
3 a transmission having a plurality of selectable
4 ratios;
5 a torque transmitting clutch installed between
6 said prime mover and said transmission, said clutch
7 being engageable in dependency upon the RPM of the prime
8 mover; and
9 control means for at least partially disengaging
10 said clutch when the RPM of said prime mover exceeds
11 a preselectable threshold value, said threshold value
12 being the momentary RPM ascertained on the basis of the
13 momentary vehicle speed, the last-selected transmission
14 ratio and a preselectable RPM for shifting the
15 transmission into a higher gear.

1 7. The motor vehicle of claim 6, wherein said
2 preselectable RPM at least approximates 200.